



Water-Data Report 2009

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, AR

St. Francis Basin
Lower St. Francis Subbasin

LOCATION.--Lat 35°21'38", long 90°39'05" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec.34, T.9 N., R.4 E., Cross County, AR, Hydrologic Unit 08020203, at bridge on State Hwy 42, and 2.3 mi east of Birdeye.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct 1977 to current year.

REMARKS.--As the number of streams on which streamflow information is likely to be desired far exceeds the number of continuous-record stream-gaging stations feasible to operate at one time, the USGS collects limited streamflow data at sites other than the continuous-record stream-gaging stations. When discharge measurements are made at sites not included in the continuous-record or partial-record program, these measurements, generally made in times of drought or flood to give better areal coverage to those events, and others collected for some special reason are called measurements at miscellaneous sites. Discharge measurements in the following table were made at this special study or miscellaneous site during the 2009 water year.

DISCHARGE MEASUREMENTS WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Date	Discharge, in ft ³ /s	Gage height, in ft
Nov 19, 2008	188	17.35
Dec 15, 2008	2,140	20.64
Jan 8, 2009	3,110	21.75
Feb 11, 2009	5,840	25.56
Mar 25, 2009	2,230	21.04
Apr 9, 2009	3,240	21.77
May 13, 2009	24,000	38.02
Jun 17, 2009	7,330	26.07

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, AR—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Oct 1977 to current year.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 2

Date	Time	Instan- taneous dis- charge, ft³/s (00061)	Temper- ature, water, deg C (00010)	Trans- parency Secchi disc, meters (00078)	Sample source, code (72005)	Sampler type, code (84164)	Sam- pling method, code (82398)
Nov							
19...	1135	1,880	7.6	.21	--	Sampler US DH-59	EWI
Dec							
15...	1510	2,140	5.9	.15	--	Sampler US DH-59	EWI
Jan							
08...	1350	3,110	6.4	.12	--	Sampler US DH-59	EWI
Feb							
11...	1335	5,840	13.5	.15	--	Sampler US DH-59	EWI
Mar							
25...	1705	2,230	17.8	.15	--	Sampler US DH-59	EWI
Apr							
09...	1140	3,240	14.2	.21	--	Sampler US DH-59	EWI
May							
13...	1135	21,700	20.6	.12	Mainstream	US P-61	EWI
13...	1220	2,120	20.6	.15	Overbank	Sampler US DH-59	EWI
Jun							
17...	1520	7,330	25.1	.12	--	Sampler US DH-59	EWI

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, AR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 2

Date	Bed sedi- ment, dry svd	Bed sedi- ment, fall dia	Suspnd. sedi- ment, fall dia	Sus- pended sedi- ment concen- tration	Sus- pended sedi- ment dis- charge,								
	<2 mm (80169)	<62.5um (80158)	<.125mm (80159)	<.25mm (80160)	<.5 mm (80161)	<1 mm (80162)	<62.5um (70342)	<.125mm (70343)	<.25mm (70344)	<.5 mm (70345)	<1 mm (70346)	mg/L (80154)	tons/d (80155)
Nov 19...	--	7	32	91	100	--	96	96	100	--	--	52	264
Dec 15...	--	2	12	99	100	--	99	99	100	--	--	229	1,320
Jan 08...	--	--	--	--	--	--	97	98	100	--	--	162	1,360
Feb 11...	--	2	11	97	100	--	94	98	99	100	--	226	3,560
Mar 25...	--	2	17	96	100	--	98	98	98	100	--	87	524
Apr 09...	100	8	51	98	99	99	96	96	96	100	--	91	796
May 13...	--	2	10	98	100	--	87	89	95	100	--	87	5,090
May 13...	100	52	62	73	85	99	98	98	98	98	100	88	503
Jun 17...	--	4	12	97	100	--	98	99	100	--	--	369	7,300